

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051064

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03F3/45

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 734 297 A (HOGERVORST RONALD ET AL) 31 March 1998 (1998-03-31) column 4, line 20 - line 54; figures 2,3 -----	1,9-13
A	OPRIS I E ET AL: "A RAIL-TO-RAIL PING-PONG OF-AMP" IEEE JOURNAL OF SOLID-STATE CIRCUITS, IEEE INC. NEW YORK, US, vol. 31, no. 9, 1 September 1996 (1996-09-01), pages 1320-1324, XP000638074 ISSN: 0018-9200 the whole document -----	1-13
A	US 4 392 112 A (SCHADE JR OTTO H) 5 July 1983 (1983-07-05) column 2, line 54 - column 4, line 56; figures 1,3 -----	1,2,5-8



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- * & * document member of the same patent family

Date of the actual completion of the international search

26 October 2004

Date of mailing of the international search report

03/11/2004

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5734297	A	31-03-1998	DE 69707799 D1	06-12-2001
			DE 69707799 T2	29-05-2002
			EP 0829132 A2	18-03-1998
			WO 9737428 A2	09-10-1997
			JP 11506596 T	08-06-1999
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US 4392112	A	05-07-1983	NONE	
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